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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/020,506	12/11/2001	Kalu K. Vasoya	47490/RAG/S968	8703
23363	7590	02/27/2004	EXAMINER	
CHRISTIE, PARKER & HALE, LLP 350 WEST COLORADO BOULEVARD SUITE 500 PASADENA, CA 91105			XU, LING X	
			ART UNIT	PAPER NUMBER
			1775	

DATE MAILED: 02/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

Allowable Subject Matter

1. Claims 56-66 and 71-74 are allowed.

Election/Restrictions

2. Newly submitted claims 75-84 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons:

- The printed wiring board of claims 56-66 and 71-74 comprises: at least one carbon containing layer, at least one electrically conduct layer located between the carbon containing layer and the electrically conductive layer, and at least one electrically connection exists between the carbon containing layer and the circuit on the electrically conductive layer.
- The printed wiring board of claims 75-84 comprises: a functional layer which containing carbon as a ground plane and/or power plane.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 75-84 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

This application is in condition for allowance except for the presence of claims 75-84 to an invention non-elected. Applicant should cancel the noted claims or take other appropriate action (37 CFR 1.144). Failure to take action during this period will be treated as authorization

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to cancel the noted claims by Examiner's Amendment and pass the case to issue. Extensions of time under 37 CFR 1.136(a) will not be permitted since this application will be passed to issue.

The prosecution of this case is closed except for consideration of the above matter.

3. This application is in condition for allowance except for the following formal matters in the specification:

The newly added specification has been entered. However, the newly added drawings 1A and 1B have not been entered because drawings 1A and 1B contain the same subject matter as the original drawings 10 and 11A, respectively. Although 1A may contain one less element 128 as drawing 10, the two drawings are almost identical in the structure. Two almost identical drawings should not be present in one application. Accordingly, the newly added drawings have not been entered. Applicant should amend the specification to refer the drawings 1A and 1B to the original drawings 10 and 11A, respectively.

Since the prosecution on the merits is closed, applicant is reminded that only minor informality change such as changing the drawings number should be made in the specification.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ling X. Xu whose telephone number is 571-272-1546. The examiner can normally be reached on 8:00 - 4:30 Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Deborah D. Jones can be reached on 571-272-1535. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ling X. Xu
Examiner
Art Unit 1775

LX
lx


DEBORAH D. JONES
SUPERVISORY PATENT EXAMINER